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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/954,719	09/17/2001	John R. Bair JR.	249768027US1	7605

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EXAMINER

FLEURANTIN, JEAN B

ART UNIT

PAPER NUMBER

2162

DATE MAILED: 06/14/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/954,719	BAIR ET AL.	
	Examiner	Art Unit	
	JEAN B. FLEURANTIN	2162	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 17 September 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-55 is/are pending in the application.
- 4a) Of the above claim(s) 6-26, 38-49, 51 and 52 is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-5, 27-35 and 50 is/are allowed.
- 6) ☒ Claim(s) 36, 37 and 53-55 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☒ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 17 September 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This in response to the application filed 09/17/01, in which claims 1-55 are presented for examination.

Election/Restrictions

2. Restriction to one of the following inventions is required under 35 U.S.C. 121:

- I. Claims 1-5, 27-37, 50 and 53-55 drawn to a method in a computing system for selecting web pages, comprising receiving a query specifying query attribute values for one or more of the set of attributes, classified in class 707, subclass 3.
- II. Claims 6-21 and 38-40, drawn to a method in a computing system for generating a dimensional model of a plurality of documents, comprising initializing a dimensional model comprising a fact table and a plurality of dimension tables; for each of the plurality of documents, classified in class 715, subclass 500.
- III. Claim 26, drawn to a method in a computer for augmenting the data content of a document, comprising adding the identified semantic attributes to the document using semantically structured constructs, classified in class 707, subclass 200.
- IV. Claims 22-25, 41-49, 51 and 52, drawn to generating database schema and data structures, classified in class 707, subclass 102.

Inventions as listed Group I, Group II, Group III and Group IV are related as subcombinations disclosed as usable together in a single combination. The subcombinations are distinct if they do not overlap in scope and are not obvious variants, and if it is shown that at least one subcombination is separately usable. In the instant case, subcombination as listed Group I, Group II, Group III and Group IV has separate utility such as listed Group I discloses a method in a computing system for selecting web pages, comprising receiving a query specifying query attribute values for one or more of the set of attributes, Group II discloses a system for generating a dimensional model of a plurality of documents, comprising initializing a dimensional model comprising a fact table and a plurality of dimension tables; for

each of the plurality of documents, Group III discloses a method in a computer for augmenting the data content of a document, comprising adding the identified semantic attributes to the document using semantically structured constructs and Group IV discloses generating database schema and data structures.

See MPEP § 806.05(d).

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classifications, restriction for examination purposes as indicated is proper.

Because these inventions are distinct for the reasons give above and the search required for Group I is not required for Groups II and III and IV and search required for Group II is not required for Groups I and III and IV, search required for Group III is not required for Groups I and II and IV, search required for Group IV is not required for Groups I and II and III restriction for examination purposes as indicated is proper.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art because of their reorganized divergent subject matter, restriction for examination purposes as indicated is proper.

During a telephone conversation with Steven D. Lawrenz (Reg. No. 37, 376), 6/5/06 an election was made without traverse to prosecute the invention of Group I, claims 1-5, 27-37, 50 and 53-55. Affirmation of this election must be made by applicant in replying to this Office action. Claims 6-26, 38-49, 51 and 52 are withdrawn from further consideration by the examiner, 37 CFR 1.142(b), as being drawn to a non-elected invention.

Applicant(s) is/are also advised, that, in reply to this Office action, non-elected claims must be canceled.

Applicant(s) is/are reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CRF 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of

inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

3. Group I (Claims 1-5, 27-37, 50 and 53-55) has/have been selected.

Drawings

4. The Drawings submitted 09/17/01 are acknowledged.

Formal drawings are required in reply to the Office action.

Objections

5. The abstract of the disclosure is objected to because the Title of the invention should not be into the same page as the Abstract (Page 29). Correction is required. See MPEP 608.01(b).

The disclosure, page 10, paragraph [0041], is objected to because it contains an embedded hyperlink and/or other form of browser-executable code. Applicant is required to delete the embedded hyperlink and/or other form of browser-executable code. See MPEP § 608.01.

Claim Rejections - 35 USC § 103

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 36-37 and 53-55 are rejected under 35 U.S.C. 103(a) as being unpatentable over of U.S. Patent No. 7,010,537 issued to Eya et al., ("Eyal") in view of U.S. Patent No. 6,466,940 issued to Mills, ("Mills").

As per claim 36, Eyal discloses "a method in a computer system for receiving a web page search request" (i.e., receiving search request from user terminal; see col. 3, lines 50-51) comprising:

"receiving the web page search request" (i.e., receiving (web page) search request; see col. 3, lines 51-52), "the received search request specifying attribute values for each of one or more predetermined document attributes" (i.e., web search engine identifying URLs to web pages; see col. 3, lines 55-56); and

"storing the received search request for processing" (i.e., storing url web page in the favorite list; see col. 10, lines 4-9 and col. 9, lines 34-37).

Eyal fails to explicitly disclose requesting a report of web pages having the specified attribute values for those attributes. However, Mills discloses a method for requesting a report of web pages having the specified attribute values for those attributes (see Mills col. 10, lines 25-33).

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify the method of Eyal by requesting a report of web pages having the specified attribute values for those attributes as disclosed by Mills (see Mills col. 10, lines 28-33). Such a modification would allow the method of Eyal to provide a new form of web page which is better suited to the automatic compilation of databases constructed by the automatic scanning of many such pages posted on a network (see Mills col. 6, lines 9-13), thereby improving the accuracy of the searching documents using a dimensional database.

As per claim 37, in addition to claim 36, Eyal fails to explicitly disclose steps of transmitting a report of web pages having the specified attribute values for those attributes to the source. However, Mills discloses steps for transmitting a report of web pages having the specified attribute values for those attributes to the source (see Mills col. 10, lines 25-33).

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify the method of Eyal by requesting a report of web pages having the specified attribute values for those attributes as disclosed by Mills (see Mills col. 10, lines 28-33). Such a modification would allow the method of Eyal to provide a new form of web page which is better suited to the automatic compilation of databases constructed by the automatic scanning of many such pages posted on a

network (see Mills col. 6, lines 9-13), thereby improving the accuracy and the reliability of the searching documents using a dimensional database.

As per claim 53, Eyal discloses "a method in a computing system for selecting document" (i.e., selecting data type of the web resources; see col. 9, lines 10-12), comprising:

"receiving a query specifying values for one or more of the plurality of the attributes " (i.e., receiving a search request specifying the product, such as books; see col. 9, lines 24-31); and

"in response to receiving the query" (see col. 9, line 33). Eyal fails to explicitly disclose a method for maintaining a dimensional model of a group of documents, the dimensional model reflecting values for a plurality of differentiated attributes for each of the documents of the group; using the dimensional to generate a list of documents in the group having the attribute values specified by the query. However, Mills discloses a method for maintaining a dimensional model of a group of documents (see Mills col. 21, lines 41-46), the dimensional model reflecting values for a plurality of differentiated attributes for each of the documents of the group (see Mills col. 8, lines 39-57); using the dimensional to generate a list of documents in the group having the attribute values specified by the query (see Mills col. 10, lines 24-33). It would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify the method of Eyal by maintaining a dimensional model of a group of documents, the dimensional model reflecting values for a plurality of differentiated attributes for each of the documents of the group; using the dimensional to generate a list of documents in the group having the attribute values specified by the query as disclosed by Mills (see Mills col. 21, lines 41-46). Such a modification would allow the method of Eyal to provide a new form of web page which is better suited to the automatic compilation of databases constructed by the automatic scanning of many such pages posted on a network (see Mills col. 6, lines 9-13), thereby improving the accuracy and the reliability of the searching documents using a dimensional database.

As per claim 54, Eyal discloses "wherein maintaining the dimensional model includes automatically exacting attribute values from the documents" (i.e., search result containing URLs to books, which automatically displaying to select; see col. 9, lines 34-38).

As per claim 55, Eyal discloses "wherein attribute values extracting from one or more explicit attribute tags within the documents" (i.e., retrieving URLs, containing audio or video output (values); see col. 9, lines 64-67).

7. Claims 1-5, 27-35 and 50 are allowed over the prior art of record.

With respect to claim 1, the claimed features "the added fact table row containing the url and referencing, for each attribute for which an attribute value was extracted, a row corresponding to the attribute value in a dimension table of the dimension model corresponding to the attribute" in combination with other element of the independent claims would not found anticipated or obvious over the prior art made of record.

With respect to claim 27, the limitations of claim 27 are substantially similar to claim 1, therefore claim 27 is also allowed on that basis.

The dependent claims, being definite, further limiting, and fully enabled by the specification are also allowed

Prior Art

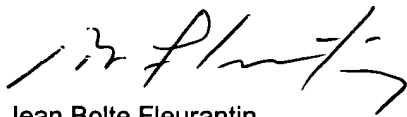
8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Bair et al., US Pat. No. 6,003,024 and 6,233,573 both are related to database software for analyzing dimensional databases. Jones, US Pat. No. 6,256,623 relates to method of accessing information from web-based search services.

CONTACT INFORMATION

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to JEAN B. FLEURANTIN whose telephone number is 571 – 272-4035. The examiner can normally be reached on 7:05 to 4:35.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, JOHN E BREENE can be reached on 571 – 272-4107. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Jean Bolte Fleurantin

Patent Examiner

Technology Center 2100

June 6, 2007